

Abstract

A transformable catheter includes a sheath having a length which is a substantial fraction of the entire length of the transformable catheter and a bore therethrough. A preformed inner catheter having a complex curve formed into the distal end thereof is disposed in the sheath bore. By axially moving the inner catheter with respect to the sheath, various tip shapes may be achieved. At least one wire runs from the proximal end of the sheath to the vicinity of the distal end of the sheath to selectively deflect the distal tip of the sheath as desired by the user to assist in reformation and transformation of the tip of the catheter. By suitable manipulation of the wire and of the inner catheter with respect to the sheath, the shape of the exposed portion of the distal end of the inner catheter may be transformed to any of a variety of shapes.